

DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3 04/03/07

C	OMPANY	NAME, FACILITY NAME, AND FACILITY ID NUMBER	3									
1. Company Name Acsys Inc.												
2. Facility N	lame	Acsys Production Facility 3. Facility ID No. ID										
Brief Project Description - Facility to manufacture a panelized building system One sentence or less												
PERMIT APPLICATION TYPE												
5. New Facility New Source at Existing Facility Unpermitted Existing Source Modify Existing Source: Permit No.: Date Issued: Required by Enforcement Action: Case No.:												
6. Minor PTC Major PTC												
teach d'Arei (1984)	FORMS INCLUDED											
Included	led N/A Forms											
· 🛛		Form GI – Facility Information										
×		Form EU0 – Emissions Units General										
		Form EU1 - Industrial Engine Information Please Specify number of forms attached:										
		Form EU2 - Nonmetallic Mineral Processing Plants Please Specify number of forms attached:										
		Form EU3 - Spray Paint Booth Information Please Specify number of forms attached:										
		Form EU4 - Cooling Tower Information Please Specify number of forms attached:										
\boxtimes		Form EU5 – Boiler Information Please Specify number of forms attached:										
		Form HMAP – Hot Mix Asphalt Plant Please Specify number of forms attached:										
		Form CBP - Concrete Batch Plant Please Specify number of forms attached:										
		Form BCE - Baghouses Control Equipment										
		Form SCE - Scrubbers Control Equipment										
\boxtimes		Forms EI-CP1 - EI-CP4 - Emissions Inventory- criteria pollutants (Excel workbook, all 4 worksheets)										
\boxtimes		PP - Plot Plan										
×		Forms MI1 – MI4 – Modeling (Excel workbook, all 4 worksheets)										
×	Form FRA – Federal Regulation Applicability											

DEQ USE ONLY
Date Received
RECEIVED
JUN 03 2008
Department of Environmental Quality State Air Program
Project Number
Payment / Fees Included?
Yes No No
Check Number

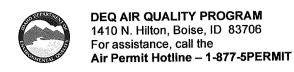


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Please see instructions on page 2 before filling out the form.

All information is required. If information is missing, the application will not be processed.

	IDENTIFICATION									
1. Company Name	Acsys Inc.									
2. Facility Name (if different than #1)	Acsys Production Facility									
3. Facility I.D. No.	ID									
4. Brief Project Description:	Manufacturing facility to produce a panelized building system									
	FACILITY INFORMATION									
5. Owned/operated by: (√ if applicable)	Federal government County government State government City government									
6. Primary Facility Permit Contact Person/Title	Werner Nennecker, President									
7. Telephone Number and Email Address	208-772-6422 werner@acsys.net									
8. Alternate Facility Contact Person/Title										
9. Telephone Number and Email Address										
10. Address to which permit should be sent	677 E. Miles Ave. Suite 101									
11. City/State/Zip	Hayden Lake, ID 83835									
12. Equipment Location Address (if different than #10)	Acsys Inc. 708 S. Clearwater Loop Suite 104									
13. City/State/Zip	Post Falls, ID 83854									
14. Is the Equipment Portable?	☐ Yes No									
15. SIC Code(s) and NAISC Code	Primary SIC: 39 Secondary SIC (if any): NAICS: 32614									
16. Brief Business Description and Principal Product	Pre-insulated steel and polystyrene building panels									
17. Identify any adjacent or contiguous facility that this company owns and/or operates	NA									
	PERMIT APPLICATION TYPE									
18. Specify Reason for Application	□ New Facility □ New Source at Existing Facility □ Unpermitted Existing Source □ Modify Existing Source: Permit No.: Date Issued: □ Permit Revision □ Required by Enforcement Action: Case No.:									
	CERTIFICATION									
IN ACCORDANCE WITH IDAPA 58.01.01.123 (AFTER REASONABLE INQUIRY	(RULES FOR THE CONTROL OF AIR POLLUTION IN IDAHO), I CERTIFY BASED ON INFORMATION AND BELIEF FORMED (7, THE STATEMENTS AND INFORMATION IN THE DOCUMENT ARE TRUE, ACCURATE, AND COMPLETE.									
19. Responsible Official's Name/Title										
20. RESPONSIBLE OFFICIAL SIGNAT	URE Date:									
21. Check here to indicate you would	d like to review a draft permit prior to final issuance.									



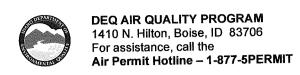
Revision 3 03/27/07

Please see instructions on pay				ION						
			DENTIFICAT	ON	F	· ID No:				
Company Name:		Facility N				y ID No:				
Acsys Inc.		Acsys P	roduction Faci	lity	ID					
Brief Project Description:										
EN	IISSIONS L	UNIT (PROCESS) IDENTIFICATION & DESCRIPTION								
Emissions Unit (EU) Name:	HURST	BOILER								
2. EU ID Number:	HB-1									
3. EU Type:	⊠ New ☐ Modi	Source fication to a Pe] Unpermitted Ex ermitted Source –	isting Source - Previous Permi	t#: D	ate Issued:				
4. Manufacturer:	HURST									
5. Model:	S400-80)								
6. Maximum Capacity:	80 HP									
7. Date of Construction:	2007									
8. Date of Modification (if any)										
9. Is this a Controlled Emission Un	it? ⊠ No				If No, go to line 1	8.				
		EMISSION	IS CONTROL	. EQUIPMEN						
10. Control Equipment Name and ID										
11. Date of Installation:		12. Date of Modification (if any):								
13. Manufacturer and Model Number	ſ:		w							
14. ID(s) of Emission Unit Controlled										
15. Is operating schedule different th units(s) involved?	an emission	☐ Yes [□No							
16. Does the manufacturer guarante	e the control	ol ☐ Yes ☐ No (If Yes, attach and label manufacturer guarantee)								
efficiency of the control equipment?		Pollutant Controlled								
	PM	PM10	SO ₂	NOx	voc	со				
Control Efficiency										
17. If manufacturer's data is not avail	lable attach a	enarate choo	t of paper to prov	ide the control e	uioment design s	pecifications and performance data				
to support the above mentioned conf	trol efficiency.	ocharate suce	rot babet to brow		J = Pr. 1. 2. 1. 2	,				
		PERATING	SCHEDULE	(hours/day,	hours/year, o	r other)				
18. Actual Operation	8 HR/DAY									
19. Maximum Operation	8 HR/DA									
.c. monte a poration			EQUESTED L	.IMITS						
20. Are you requesting any permit	limits?		No (If Yes, che		below)					
Operation Hour Limit(s):			V		-					
☐ Production Limit(s):										
Material Usage Limit(s):	ling Ple	ase attach all r	relevant stack tes	ting summary re	ports					
Limits Based on Stack Test	ung i-ie	aco anaon an i	J.J. G.							
Other:	iit(a)		<u></u>							
21. Rationale for Requesting the L	.imit(s):									



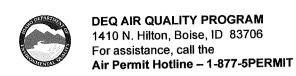
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Please see Instructions on pa	ge z beiore								
			IDENTIFICAT	ION					
Company Name:		Facility I	Name:		Facilit	y ID No:			
Acsys Inc.		Acsys P	roduction Fac	tility	ID				
Brief Project Description:									
te transfer en	VISSIONS L	JNIT (PROC	CESS) IDENT	IFICATION 8	DESCRIPTIO	N			
1. Emissions Unit (EU) Name:	PANEL	MOLD	*						
2. EU ID Number:	PM-1								
3. EU Type:	⊠ New ☐ Mod		Unpermitted Exermitted Exermitted Source		it#: Da	ate Issued:			
4. Manufacturer:	KORNY	'LAK							
5. Model:	M-18	STACK#3	12" DIA.						
6. Maximum Capacity:	2,000 L	B/DAY TYPIC	CAL 1,000 LB/DA	Y					
7. Date of Construction:	2000					the control of the co			
8. Date of Modification (if any)									
9. Is this a Controlled Emission Uni	it? ⊠ No				If No, go to line 18	3.			
		EMISSION	IS CONTROL	EQUIPMEN	Т	4. 4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			
10. Control Equipment Name and ID:									
11. Date of Installation:			12. Date of Mod	dification (if any):		the state of the s			
13. Manufacturer and Model Number	•		, and the second						
14. ID(s) of Emission Unit Controlled									
15. Is operating schedule different thunits(s) involved?	an emission	No □ Yes □ No							
16. Does the manufacturer guarantee	e the control	ol ☐ Yes ☐ No (If Yes, attach and label manufacturer guarantee)							
efficiency of the control equipment?		Pollutant Controlled							
	PM	PM10	SO ₂	NOx	voc	со			
Control Efficiency									
17. If manufacturer's data is not avail to support the above mentioned cont		separate sheet	of paper to prov	ide the control e	quipment design sp	pecifications and performance data			
		PERATING	SCHEDULE	(hours/day	hours/year, or	other)			
18. Actual Operation	8 HR/DAY								
19. Maximum Operation	8 HR/DAY								
To. Meximum operation	01110271		EQUESTED L	IMITS					
20. Are you requesting any permit	limits?		No (If Yes, che		below)				
☐ Operation Hour Limit(s):									
☐ Production Limit(s):									
☐ Material Usage Limit(s):									
☐ Limits Based on Stack Test	ing Ple	Please attach all relevant stack testing summary reports							
☐ Other:									
21. Rationale for Requesting the L	imit(s):								



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Please see instructions on pag	ge z belole i								
		ll.	DENTIFICATI	ON					
Company Name:		Facility N			_	ID No:			
Acsys Inc.		Acsys Pr	oduction Facil	ity	ID				
Brief Project Description:									
EN	VISSIONS U	NIT (PROC	ESS) IDENTI	FICATION &	DESCRIPTION	V			
Emissions Unit (EU) Name:	PSJ-50 I	EPS PRE-EXP	ANDER						
2. EU ID Number:	PX-1								
3. EU Type:	⊠ New ☐ Modi	Source fication to a Pe	Unpermitted Exi rmitted Source –	sting Source Previous Permit	#: Da	ite Issued:			
4. Manufacturer: FANGYUAN PLASTICS MACHINERY									
5. Model: PSJ-50 STACK #2 3" DIA.									
6. Maximum Capacity:	85 KG/H	IR							
7. Date of Construction:	2008								
8. Date of Modification (if any)					15.1				
9. Is this a Controlled Emission Un	it? ⊠ No				If No, go to line 18				
		EMISSION	S CONTROL	EQUIPMEN					
10. Control Equipment Name and ID	:								
11. Date of Installation:		12. Date of Modification (if any):							
13. Manufacturer and Model Number									
14. ID(s) of Emission Unit Controlled									
15. Is operating schedule different thunits(s) involved?	nan emission] No						
16. Does the manufacturer guarante efficiency of the control equipment?	e the control	Yes No (If Yes, attach and label manufacturer guarantee)							
elliciency of the control equipment:		Pollutant Controlled							
	PM	PM10	SO₂	NOx	voc	СО			
Control Efficiency									
17. If manufacturer's data is not ava to support the above mentioned con	ilable, attach a	separate sheet	of paper to prov	ide the control ed	quipment design sp	pecifications and performance data			
		PERATING	SCHEDULE	(hours/day,	hours/year, o	r other)			
18. Actual Operation	4 HR/DAY								
19. Maximum Operation	8 HR/DAY								
13. IVIANIMUM Operation	10111100/11		EQUESTED L	IMITS					
20. Are you requesting any permit	t limits?	Yes 🗆		ck all that apply I	oelow)				
☐ Operation Hour Limit(s):									
☐ Production Limit(s):									
☐ Material Usage Limit(s):									
☐ Limits Based on Stack Tes	sting Ple	ase attach all i	elevant stack tes	ting summary re	ports				
☐ Other:									
21. Rationale for Requesting the	Limit(s):								



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Please see instructions on pay	e 3 belole	inning out the	, ioiii.							
. 1		ļa	ENTIFICATION	:						
Company Name:		Facility N	lame:		Facility ID N	io:				
Acsys Inc.		Acsys Pr	oduction Facility		ID					
Brief Project Description:		Manufac	turing facility to produce	e panelized b	uilding syst	em				
			EXEMPTION							
Please see IDAPA 58.01.01.22	22 for a lis	st of industria	al boilers that are exe	npt from Pe	rmit to Cor	nstruct requi	rements.			
во	ILER (EM	ISSION UNIT) DESCRIPTION AND	SPECIFICA	TIONS					
1. Type of Request: New U	nit 🔲 U	npermitted Ex	isting Unit Modifica	ation to a Uni	t with Permi	it #:				
/ OO S % Use 2. Use of Boiler: Other:	d For Proc	ess 🗌 % U	Ised For Space Heat	☐ % Used	For Genera	ting Electricit	у			
3. Boiler ID Number: HB-1		4. Rated Capacity: ☐ 3.36 Million British Thermal Units Per Hour (MMBtu/hr) ☐ 1,000 Pounds Steam Per Hour (1,000 lb steam/hr								
5. Construction Date: 2007		6. Manufactu	ırer: Hurst	7. Model:	S400-80					
8. Date of Modification (if appli	icable):	9. Serial Nun	nber (if available):	10. Contro	ol Device (if	any):				
, ,		S400-150-	-52	Note: Atta	Note: Attach applicable control equipment form(s)					
	F	JEL DESCRI	PTION AND SPECIFIC							
11. Fuel Type	☐ Dies	el Fuel (#) 🛛 Natural Gas	☐ Co	al	☐ Other	Fuels			
45. 17,65	(gal/hr)		(cf/hr)	(unit: /hr)		(unit:	/hr)			
12. Full Load Consumption Rate			3,360							
13. Actual Consumption Rate			3,000							
14. Fuel Heat Content (Btu/unit, LHV)			1,000							
15. Sulfur Content wt%										
16. Ash Content wt%			N/A							
	ST	EAM DESCR	IPTION AND SPECIFI	CATIONS						
17. Steam Heat Content		NA	NA							
18. Steam Temperature (°F)		N/A	N/A							
19. Steam Pressure (psi)		N/A	N/A							
20. Steam Type		N/A	N/A		turated perheated	_	rated erheated			
		OPERAT	ING LIMITS & SCHED	ULE						
21. Imposed Operating Limits	(hours/y	ear, or gallons	fuel/year, etc.): None							

22. Operating Schedule (hours/day, months/year, etc.): 8 hr/day 12 months/yr

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DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the Air Permit Hotline - 1-877-5PERMIT

			F	Please see instruc	ctions on page 2	2 before filling o	ut the form.						
Company Name:	Acsys Inc.	cevs inc											
Facility Name:		Acsys Production Facility ID											
Facility ID No.:	D. J. Han for silit	v to produce page	lized building s	vetem			IU .						
Brief Project Description:	Production facility	SUMMARY OF	FACILITY W	IDE EMISSIO	N RATES FO	OR CRITERIA	POLLUTAN	ITS - POINT	SOURCES		÷.	12 - 12 - 12 - 12 - 12 - 12 - 12 - 1	
1.	2.						3.			VO		Le	
		PM		SO		NO	T/yr	Ib/hr	T/yr	VOC lb/hr T/yr		lb/hr	
Emissions units	Stack ID	lb/hr	T/yr	lb/hr	T/yr Point Sou	ib/hr	1791	10/111	1791	157711		The Section of the Se	
name of the emissions unit1	HB-1	0.03	0.20	0.00	0.01	0.30	1.32	0.25	1.11	0.02	0.07		
name of the emissions unit2	PX-1									10.33	9.92		
name of the emissions unit3	PM-1									13.82	13.26		
name of the emissions unit4													
name of the emissions unit5													
name of the emissions unit6													
name of the emissions unit7													
name of the emissions unit8													
name of the emissions unit9													
name of the emissions unit10													
name of the emissions unit11													
name of the emissions unit12													
name of the emissions unit13							· · · · · · · · · · · · · · · · · · ·						
name of the emissions unit14													
name of the emissions unit15													
name of the emissions unit16													
name of the emissions unit17													
name of the emissions unit18													
name of the emissions unit19											}		
name of the emissions unit20													
name of the emissions unit21													
(insert more rows as needed)						0.30	1.32	0.25	1.11	24.17	23.25		
Total		0.03	0.20	0.00	0.01	0.30	1.32	0.20	1.11		J	<u> </u>	

	DEQ AIR QUALI 1410 N. Hilton, B For assistance, c Air Permit Hotli	loise, ID 83706 call the	RMIT							PERMIT 1	O CONS	TRUCT APP
				Please see inst	ructions on page	2 before filling	out the form.					
Company Name:	Acsys Inc.	A District Facility										
Facility Name:		Acsys Production Facility										
Facility ID No.:							D					
	Production facilit	y to produce pa	anelized building	system								er La La strong
	5	SUMMARY O	F FACILITY V	WIDE EMISS	ION RATES I	OR CRITERI	IA POLLUTA	NTS - POINT	SOURCES	_		de la gradia de la compansión de la comp
1	2.						3	3.				l Le
		P	PM ₁₀		SO ₂		NO _x		CO		VOC	
Emissions units	Stack ID	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr
					Point So	urce(s)						at the second of the

	DEQ AIR QUALI 1410 N. Hilton, B For assistance, c Air Permit Hotlin	oise, ID 83706 all the	RMIT			2 hatara filling	out the form			PERMIT	TO CONST	RUCT APP
				Please see inst	ructions on pag	e 2 before filling	out the form.					
Company Name:	Acsys Inc.											
Facility Name:		Acsys Production Facility										
Facility ID No.:							ID					
Brief Project Description:	Production facility	y to produce pa	nelized building	system				N=0 00N	COURCES			esting a second
	S	UMMARY O	F FACILITY \	WIDE EMISS	ION RATES	FOR CRITER	A POLLUTA	NIS - POIN	SOURCES			<u> </u>
1	2.							3			······································	
1.		Р	M ₁₀	S	O ₂	N-	NO _x		Ö	V	oc	Le
Emissions units	Stack ID	lb/hr	T/vr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr
Emodione and					Point So	ource(s)						13 1992 - Harris Santon, 1992 1993 - Harris Santon, 1992

Instructions for Form EI-CP1

This form is designed to provide the permit writer and air quality modeler with a summary of the criteria pollutant emissions of each emission unit/point located at the facility. This inform be used by the IDEQ to perform an air quality analysis or to review an air quality analysis submitted with the permit application or requested by the IDEQ.

Please fill in the same company name, facility ID number, and brief project description as on form CS in the boxes provided. This is useful in case any pages of the application get separa

- 1. Provide the name of all emission units at the facility. This name must match names on other submittals to IDEQ and within this application.
- 2. Provide the identification number for the stack which the emission unit exits.
- 3. Provide the emission rate in pounds per hour and tons per year for all criteria pollutants emitted by this point source. In this form, emission rates for a point source are the maximum allowable emissions for both short term (pounds per hour) and long term (tons per year). These emission rates are its permitted limits (if any). Otherwise, potential to emit should be shown. Potential to emit is defined as uncontrolled emissions at maximum design or achievable capacity (whichever is higher) and year-round continuous operation (8760 hours per year) if there are no federally enforceable permit limits on the emission point. If the emission point has or will have control equipment or some other proposed permit limitation such as hours of operation or material usage, the control efficiency or proposed permit limit(s) may be used in calculating potential to emit.

NOTE: Attach a separate sheet of paper, or electronic file, to provide additional documentation on the development of the emission rates. Documentation can include emissions factors, throughput, an calculations.

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PLICATION Revision 3 4/5/07

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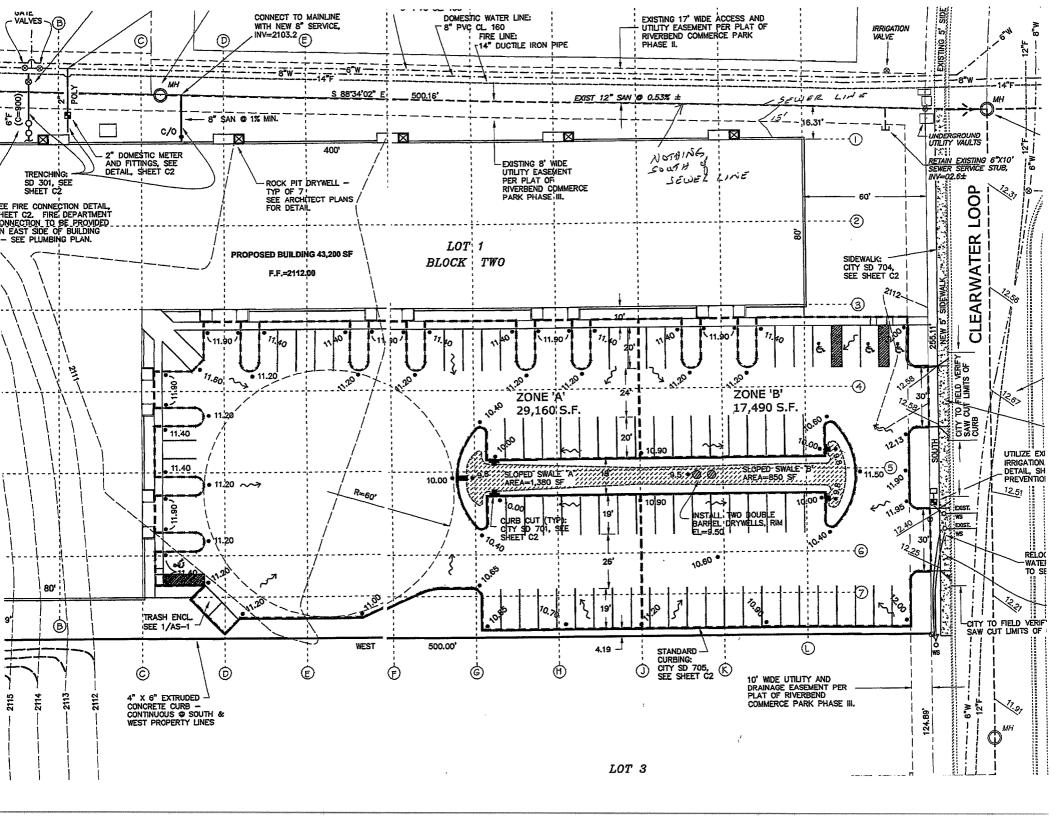
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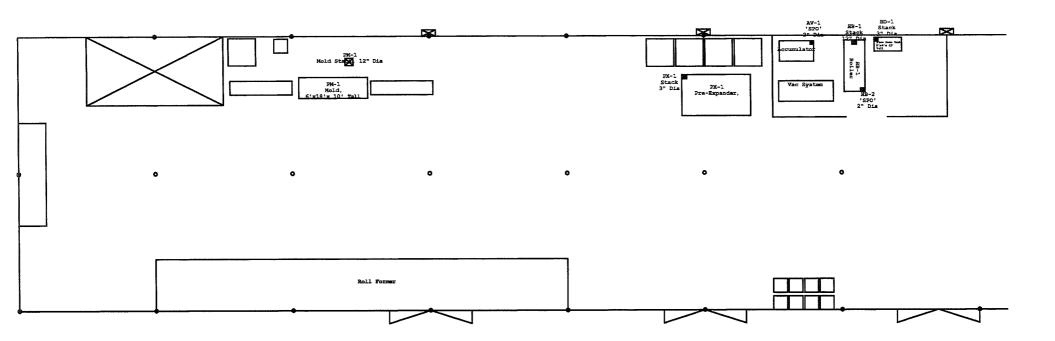
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	For assistance, o	all the ne - 1-877-5PERM	IT	4/5/								
	<u> </u>	Pleas	e see instructio	ons on page 2	before filling οι	ıt the form.						
Company Name:	Acsys Inc.											
Facility Name:					Acsys Prod	uction Facility						
Facility ID No.:						ID						
Brief Project Description:	Manufacturing fa	cility for Building P										
			FUGITIV	E SOURCE PA	ARAMETERS							
1.	2.	3a.	3b.	4.	5.	6.	7.	8.	9.	10.		
	Stack ID	UTM Easting (m)	UTM Northing (m)	Base Elevation (m)	Release Height (m)	Easterly Length (m)	Northerly Length (m)	Angle from North (°)	Initial Vertical Dimension (m)	Initial Horizontal Dimension (n		
Emissions units									J	Singary group of California		
Area Source(s)												
name of the emissions unit1												
name of the emissions unit2										<u> </u>		
name of the emissions unit3												
name of the emissions unit4												
name of the emissions unit5												
name of the emissions unit6												
name of the emissions unit7												
name of the emissions unit8												
name of the emissions unit9												
name of the emissions unit10										a legices province		
Volume Source(s)		·								1		
name of the emissions unit11												
name of the emissions unit12												
name of the emissions unit13												
name of the emissions unit14									 			
name of the emissions unit15												
name of the emissions unit16												
name of the emissions unit17												
name of the emissions unit18												
name of the emissions unit19			<u> </u>									

										
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	(insert more rows as needed)	l			1	1			.	I
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Revision 3 03/26/07

	DENTIFICATION	٧	100						
Company Name:	Facility Name:			Facility ID No:					
Acsys Inc.	Acsys Production	on Facility		ID					
Brief Project Description:									
APPLIC	ABILITY DETER	RMINATION							
Will this project be subject to 1990 CAA Section 112(g)?		⊠ NO		☐ YES*					
(Case-by-Case MACT)		* If YES, applicant must submit an application for a case-by- case MACT determination [IAC 567 22-1(3)"b" (8)]							
Will this project be subject to a New Source Performance Stan	dard?	⊠ NO	☐ YES	☐ YES*					
(40 CFR part 60)		*If YES, please identify sub-part:							
3. Will this project be subject to a MACT (Maximum Achievable Corequiation?	¹ ⊠ NO □ YI		5 *						
(40 CFR part 63)		*If YES, please identify sub-part:							
THIS ONLY APPLIES IF THE PROJECT EMITS A HAZARDOUS AIR POLLU	TANT								
4. Will this project be subject to a NESHAP (National Emission S	tandards for	⊠ NO	☐ YES	☐ YES*					
Hazardous Air Pollutants) regulation? (40 CFR part 61)		*If YES, please identify sub-part:							
5. Will this project be subject to PSD (Prevention of Significant D (40 CFR section 52.21)	eterioration)?	⊠ NO □ YES		5					
		⊠ NO	☐ YES	☐ YES*					
Was netting done for this project to avoid PSD?		*If YES, please attach netting calculations							
IF YOU ARE UNSURE HOW TO ANSWER ANY OF THESE QUESTIONS, CALL THE AIR PERMIT HOTLINE AT 1-877-5PERMIT									